

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

Applicant(s): Daniel W. Mauney et al.

Title: ENHANCED WIRELESS HANDSET, INCLUDING DIRECT HANDSET-TO-HANDSET COMMUNICATION MODE

Application No.: 10/612,396

Filed: July 2, 2003

RECEIVED
CENTRAL FAX CENTER

Examiner: Not yet known

Group Art Unit: 2681

NOV 04 2003

Atty. Docket No.: 1033-T00142C2

Confirmation No.: 3179

COMMISSIONER FOR PATENTS
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings the patents, publications, applications or other information identified in the attached:

- ☒ Form(s) PTO/SB/08A and PTO/SB/08B, pages 1-5
☐ Other: n/a

to the Examiner's attention in the above-identified application. These references were cited in parent Application No. 09/968,856, filed October 3, 2001. Accordingly, in accordance with C.F.R. § 1.98(d), copies of the references are not being supplied herewith. Citation of such information shall not be construed as:

1. an admission that the information necessarily is, or corresponds to, prior art with respect to the instant invention;
2. a representation that a search has been made, other than as described below; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance, such as through (i) an English language abstract, (ii) an English language equivalent application, (iii) reference to discussion in the application, or (iv) if cited in a search report or other action by a foreign patent office in a

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the USPTO, Art Unit 2681, facsimile number (703) 872-9314, on November 4, 2003.

Reina R. Bernfield
Typed or Printed Name

Reina R. Bernfield
Signature

PATENT

counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

STATEMENT UNDER 37 C.F.R. § 1.704(d)

If the above-identified application is an original application filed on or after May 29, 2000:

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.

FEES DUE

This Information Disclosure Statement is being filed:

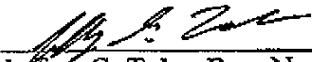
- ☐ within three months of the filing date of a national application or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.
- ☒ before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.
- ☐ during the period specified in § 1.97(c). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.
- ☐ during the period specified in § 1.97(c). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal.
- ☐ during the period specified in § 1.97(d). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal. Additionally, each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.

PATENT

Should any PTO fees be necessary for entry of this Information Disclosure Statement, the undersigned hereby authorizes the Commissioner to charge Deposit Account 50-2469.

Respectfully submitted,

11-4-2003
Date


Jeffrey G. Toler, Reg. No. 38,342
Attorney for Applicant(s)
TOLER, LARSON & ABEL, L.L.P.
P.O. Box 29567
Austin, Texas 78755-9567
(512) 327-5515 (phone)
(512) 327-5452 (fax)

PTO/SB/08A (08-03)

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|------------------------|--------------------------|------------------|
| Substitute for form 1449/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Application Number | 10/612,396 |
| | | Filing Date | July 2, 2003 |
| | | First Named Inventor | Daniel W. Mauney |
| | | Art Unit | 2681 |
| | | Examiner Name | Not yet known |
| Sheet 1 of 5 | Attorney Docket Number | 1033-T00142C2 | |

| U. S. PATENT DOCUMENTS | | | | | |
|------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | US- 5,673,308 | 09-30-1997 | Akhavan | |
| | | US- 5,553,117 | 09-03-1996 | Peterson et al. | |
| | | US- 5,550,895 | 08-27-1996 | Burson et al. | |
| | | US- 5,442,680 | 08-15-1995 | Schellinger et al. | |
| | | US- 5,260,988 | 11-09-1993 | Schellinger et al. | |
| | | US- 5,247,567 | 09-21-1993 | Hirano | |
| | | US- 5,218,716 | 06-08-1993 | Comroe et al. | |
| | | US- 5,155,759 | 10-13-1992 | Saegusa et al. | |
| | | US- 5,644,620 | 07-01-1997 | Shimura | |
| | | US- 5,367,558 | 11-22-1994 | Gillig et al. | |
| | | US- 5,142,695 | 08-25-1992 | Roberts et al. | |
| | | US- 5,127,042 | 06-30-1992 | Gillig et al. | |
| | | US- 4,989,230 | 01-29-1991 | Gillig et al. | |
| | | US- 5,636,243 | 06-03-1997 | Tanaka | |
| | | US- 5,515,366 | 05-07-1996 | Chieu et al. | |
| | | US- 4,935,927 | 06-19-1990 | Kaewell, Jr. et al. | |
| | | US- 5,748,147 | 05-05-1998 | Bickley et al. | |
| | | US- 5,950,133 | 09-07-1999 | Bledsoe | |
| | | US- 6,069,588 | 05-30-2000 | O'Neill, Jr. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁸ |
| | | Country Code ² Number ³ Kind Code ⁴ (if known) | MM-DD-YYYY | | | |
| | | JP 9-98476 | 04-08-1997 | | | |
| | | JP 9-84117 | 03-28-1997 | | | |
| | | JP 9-55981 | 02-25-1997 | | | |
| | | JP 9-37345 | 02-07-1997 | | | |
| | | JP 8-322087 | 12-03-1996 | | | |
| | | JP 8-317468 | 11-29-1996 | | | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| | | | |
|-------|---|----|---|
| Sheet | 2 | of | 5 |
|-------|---|----|---|

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/612,396 |
| Filing Date | July 2, 2003 |
| First Named Inventor | Daniel W. Mauney |
| Art Unit | 2681 |
| Examiner Name | Not yet known |
| Attorney Docket Number | 1033-T00142C2 |

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------|---|--------------------------------|---|---|---|
| Examiner Initials* | Cite No.† | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | † |
| | | Country Code ² Number ¹ Kind Code ³ (if known) | | | | |
| | | JP 8-294170 | 11-05-1996 | | | |
| | | JP 8-294168 | 11-05-1996 | | | |
| | | JP 8-172673 | 07-02-1996 | | | |
| | | JP 8-163646 | 06-21-1996 | | | |
| | | EP 0 713345 | 05-22-1996 | | | |
| | | EP 0 671859 | 09-13-1995 | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|------|--------------------------|------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Complete if Known | |
| | | Application Number | 10/612,396 |
| | | Filing Date | July 2, 2003 |
| | | First Named Inventor | Daniel W. Mauney |
| | | Art Unit | 2681 |
| | | Examiner Name | Not yet known |
| Sheet 4 | of 5 | Attorney Docket Number | 1033-T00142C2 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | English Language Abstract of JP No. 9-98476 | |
| | | English Language Abstract of JP No. 9-84117 | |
| | | English Language Abstract of JP No. 9-55981 | |
| | | English Language Abstract of JP No. 9-37345 | |
| | | English Language Abstract of JP No. 8-322087 | |
| | | English Language Abstract of JP No. 8-317468 | |
| | | English Language Abstract of JP No. 8-294170 | |
| | | English Language Abstract of JP No. 8-294168 | |
| | | English Language Abstract of JP No. 8-172673 | |
| | | English Language Abstract of JP No. 8-163646 | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.96. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SS/088 (08-03)

Approved for use through 07/31/2006. QMS 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|---|---|--------------------------|------------------|
| Substitute for form 1449/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Application Number | 10/612,396 |
| | | Filing Date | July 2, 2003 |
| | | First Named Inventor | Daniel W. Mauney |
| | | Art Unit | 2681 |
| | | Examiner Name | Not yet known |
| | | Attorney Docket Number | 1033-T00142C2 |
| Sheet | 5 | of | 5 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | Bluetooth Consortium, "Specification of the Bluetooth System: Profiles"; December 1, 1999 | |
| | | Haartsen, J., "Bluetooth: A New Radio Interface Providing Ubiquitous Connectivity", IEEE, Pages 107-111, December 2000 | |
| | | Schneiderman, R., "Bluetooth's Slow Down", IEEE, Pages 61-65, December 1999 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.96. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.